

What is claimed is:

1. Near-infrared light-absorbing glass comprising, denoted as cationic percentages, 23 to 41 percent of P^{5+} , 4 to 16 percent of Al^{3+} , 11 to 40 percent of Li^{+} , 3 to 13 percent of Na^{+} , 12 to 53 percent of R^{2+} (where R^{2+} denotes the total of Mg^{2+} , Ca^{2+} , Sr^{2+} , Ba^{2+} , and Zn^{2+}), and 2.6 to 4.7 percent of Cu^{2+} , and F^{-} and O^{2-} as anionic components.

2. The near-infrared light-absorbing glass according to claim 1, wherein the glass comprises Zn^{2+} as a cationic component;

3. The near infrared light-absorbing glass according to claim 1, wherein the glass comprises, denoted as anionic percentages, 25 to 48 percent of F^{-} and 52 to 75 percent of O^{2-} .

4. Near-infrared light-absorbing glass essentially comprising no arsenic and lead, wherein,

in the spectral transmittance of wavelengths of 400 to 700 nm, a thickness of the glass, exhibiting a property that wavelength at which a 50 percent transmittance is exhibited is 615 nm, ranges from 0.1 to 0.8 mm

as well as, at a thickness at which the glass exhibits said property,

a transmittance at a wavelength of 400 nm is 80 percent or more,

a transmittance at a wavelength of 800 to 1000 nm is less than 5 percent, and

a transmittance at a wavelength of 1200 nm is less than 20 percent .

5. The near-infrared light-absorbing glass according to claim 1, wherein the glass has a liquid phase temperature of 750°C or less.
6. The near-infrared light-absorbing glass according to claim 4, wherein the glass has a liquid phase temperature of 750°C or less.
7. Near-infrared light-absorbing glass, wherein the glass exhibits properties, based on a thickness of 0.5 mm, in the spectral transmittance of wavelengths of 400 to 700 nm,
 - that wavelength, at which a 50 percent transmittance is exhibited, is less than 630 nm,
 - transmittance at a wavelength longer than said wavelength is less than 50 percent,
 - transmittance at a wavelength shorter than said wavelength is higher than 50 percent and
 - the viscosity at a liquid phase temperature is 0.5 Pa · s or more.
8. The near-infrared light-absorbing glass according to claim 4 which is copper-containing fluorophosphate glass.
9. The near-infrared light-absorbing glass according to claim 7 which is copper-containing fluorophosphate glass.
10. A near-infrared light-absorbing element comprised of the near-infrared light-absorbing glass according to claim 1.
11. A near-infrared light-absorbing element comprised of the near-infrared light-absorbing glass according to claim 4.

12. A near-infrared light-absorbing element comprised of the near-infrared light-absorbing glass according to claim 7.
13. A near-infrared light-absorbing filter comprising a glass plate comprised of the near-infrared light-absorbing glass according to claim 1.
14. A near-infrared light-absorbing filter comprising a glass plate comprised of the near-infrared light-absorbing glass according to claim 4.
15. A near-infrared light-absorbing filter comprising a glass plate comprised of the near-infrared light-absorbing glass according to claim 7.
16. A method of manufacturing a near-infrared light-absorbing formed glass article, wherein melted glass having a temperature of 710°C or less is formed and cooled to manufacture a formed glass article comprised of the near-infrared light-absorbing glass according to claim 7.
17. Copper-containing glass comprised of fluorophosphate glass or phosphate glass comprising 0.1 weight percent or more of copper based on CuO, 0.005 to 0.5 weight percent of iron based on Fe₂O₃, 0.01 to 1 weight percent of antimony based on Sb₂O₃, and no arsenic.
18. The copper-containing glass according to claim 17, wherein the glass exhibits properties, in the spectral transmittance of wavelengths of 400 to 1,200 nm, based on a thickness of 0.45 nm,
that wavelength (λ_{50}), at which a 50 percent transmittance is exhibited, ranges from 605 to 625 nm,
transmittance at a wavelength of 400 nm is 80 percent or more,
and

transmittance at a wavelength of 1200 nm is less than 22 percent.

19. The copper-containing glass according to claim 17, wherein the glass comprises, denoted as cationic percentages,

P^{5+} 11 to 43 percent

Al^{3+} 4 to 16 percent

R_1^{+} 0.1 to 43 percent

(where R_1^{+} is the total of Li^{+} , Na^{+} , and K^{+})

R_2^{2+} 12 to 53 percent

(where R_2^{2+} is the total of Mg^{2+} , Ca^{2+} , Sr^{2+} , Ba^{2+} , and Zn^{2+})

Cu^{2+} 1.0 to 4.7 percent,

as well as comprises F^{-} and O^{2-} as anionic components.

20. The copper-containing glass according to claim 19, wherein the glass does not comprise a nitrate.

21. A near-infrared light-absorbing element comprised of the copper-containing glass according to claim 17.

22. A near-infrared light-absorbing filter comprising the near-infrared light-absorbing element according to claim 21.